

(REFERENCE COPY - Not for submission)

#### FCC Form 399: Reimbursement Request

Facility 12498 Service: DTV Call WGBO-DT Channel: 35 (UHF)

ID: Sign: File **0000028217** 

Number:

FRN: **0001531391** Date **02/19** 

Submitted: /2021

## Applicant Information

#### **Applicant Name, Type, and Contact Information**

Applicant	Address	Phone	Email	Applicant Type
WGBO LICENSE PARTNERSHIP, G.P. Doing Business As: WGBO LICENSE PARTNERSHIP, G.P.	Christopher G. Wood 5999 CENTER DRIVE LOS ANGELES, CA 90045 United States	+1 (310) 348- 3600	CWOOD@UNIVISION. NET	General Partnership

#### Reimbursement Contact Name and Information

Contact Information	Applicant	Address	Phone	Email
	[Confidential]			

#### Preparer Contact Information

#### **Preparer Contact Name and Information**

Applicant	Address	Phone	Email
Theodore Stoner	Theodore Stoner	+1 (513) 608-	tstoner@univision.
VP Distribution Technology Strategy	9405 NW 41st Street	0308	net
Univision Management	Miami, FL 33178		
Company	United States		

#### Broadcaster Information and Transition Plan

Question	Response
Will the station be sharing equipment with another broadcast television station or stations (e.g., a shared antenna, co-location on a tower, use of the same transmitter room, multiple transmitters feeding a combiner, etc.)? If yes, enter the facility ID's of the other stations and click 'prefill' to download those stations' licensing information.	No
Briefly describe transition plan	Place new antenna in open aperture on tower, install new transmission line, replace 2 mask filters, install patch panels to facilitate transmitter cutover to new channel. See attached Implementation Plan for details.

#### **Transmitters**

S	Section	Question	Response
	Transmitter Related Expenses	Do you have transmitter related expenses?	Yes

#### Primary Transmitter

#### **Existing Transmitter Information**

Section	Question	Response
Existing Transmitter Description	Type of change	Retune Existing
	Use	Primary (Main)
	Ownership	Owned
	Owner	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter  Manufacturer and Type	Manufacturer	Rohde & Schwarz

Model	NV8630
Year	2010
Туре	Solid State
Solid State Cooling	Liquid Cooled
Solid State Power capacity	24 kW

#### Primary Transmitter

#### **Retuning Transmitter Costs**

Section	Question	Response
New IOT Tubes	Number of Tubes (including accessories) needed	N/A
New Mask Filter	Power	30 kW
	Other Power	N/A
New Exciter	Is a new exciter needed?	No

#### Primary Transmitter

#### **Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	No
	Switchgear (industrial 800 amp)	No
	Transformer (480V)	No
	Power	N/A
	Rigid Conduit and Wiring	No
	Size	N/A
	Length	N/A
	Other Electrical Service	Yes

	Description	Relocation & install of rigid transmission line and spinner switch connections & testing in transmitter room.
HVAC Service	Does the replacement transmitter require HVAC Service?	No
	Туре	N/A
	Size	N/A
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

#### Primary Transmitter

#### **Other Transmitter Cost Not Listed**

Transmitter Information not provided.

#### Auxiliary Transmitter

#### **Add Transmitter Information**

Section	Question	Response
Existing Transmitter Description	Type of change	Retune Existing
	Use	Auxiliary (Backup)

	Ownership	Owned
	Owner	N/A
	Is this transmitter currently shared with another station?	No
	Is this transmitter currently in operating condition?	Yes
Existing Transmitter Manufacturer and Type	Manufacturer	Rohde & Schwarz
	Model	THU9-12
	Year	2013
	Туре	Solid State
	Solid State Cooling	Liquid Cooled
	Solid State Power capacity	12.5 kW

#### Auxiliary Transmitter

#### **Retuning Transmitter Costs**

Section	Question	Response
New IOT Tubes	Number of Tubes (including accessories) needed	N/A
New Mask Filter	Power	30 kW
	Other Power	N/A
New Exciter	Is a new exciter needed?	No

#### Auxiliary Transmitter

#### **Other Transmitter Costs**

Section	Question	Response
Electrical Service	Service Entrance (3 phases 800A 208V)	Yes
	Switchgear (industrial 800 amp)	Yes
	Transformer (480V)	Yes
	Power	300 kVA

-	Rigid Conduit and Wiring	Yes
	Size	3 inches
	Length	100.0 feet
	Other Electrical Service	Yes
	Description	2" Rigid Conduit and Wiring
HVAC Service	Does the replacement transmitter require HVAC Service?	Yes
	Туре	Cooling Only
	Size	10 tons
	Other Size	N/A
Transmitter Building Addition/Modification or Leasehold Improvement	Does the Transmitter Building require an addition, modification, other leashold improvement?	No
	Size	N/A
Channel 14 Costs	Is an RF Consulting Engineer needed?	N/A
	Is a channel 14 Mask Filer needed?	N/A
	Is additional field engineering time needed?	N/A
	Number of Days	N/A

#### Auxiliary Transmitter

#### **Other Transmitter Cost Not Listed**

Name	Description
Internal Transmission Line	4 1/16" internal line and installation
Interior RF Components for the Transmitter	Interior RF Components for the Transmitter

#### **Antennas**

Section	Question	Response
Antenna Related Expenses	Do you have antenna related expenses?	Yes

#### **Existing Antenna Information**

Section	Question	Response
Existing Antenna Description	Type of change	Purchase New
	Antenna Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing antenna shared with another station or stations?	No
	Is the existing antenna directional?	Yes
	Is antenna in operating condition?	Yes
	Is antenna located on or in close proximity to an antenna farm?	Yes
Existing Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels	N/A
	Design power capacity in use	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	600.0 kW

Manufacturer	
Model	ATW25HS4- ESC2-38H
Year	2010

#### **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Primary (Main)
	Description of Use	N/A
	Change Type	Purchase New
	Is this a request for upgraded equipment?	No
	Ownership	Owned
	Owner	N/A
	Is antenna shared?	No
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna	Class	Full Power
Manufacturer and Types	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Elliptical
	Туре	Slotted Coaxial
	Number of Stations Supported	N/A
	Number of Panels/Bays	N/A
	Lower Limit	N/A
	Upper Limit	N/A
	Design power capacity in use	N/A
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	550.0 kW
	Manufacturer	

Model	SAA25- ATW_C1- J300-ES6R- 35
Year	2019
Justification for New Antenna	Existing antenna is single- channel model incapable of use on new channel.

#### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	No
	Туре	
	Number of channels supported	N/A
	Frequencies of channels supported	N/A
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	N/A
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	Single Channel
	Feed Line Size	6 1/8 inches inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for a high power antenna?	Yes

Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	Yes
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

#### **Other Antenna Cost Not Listed**

Information not provided.

#### Interim Antenna

#### **New Antenna Costs**

Section	Question	Response
New Antenna Description	Use	Interim
	Description of Use	N/A
	Change Type	Lease New
	Ownership	Leased
	Owner	American Tower Corporation
	Is antenna shared?	Yes
	Is antenna directional?	Yes
	Will antenna be located on or in close proximity to an antenna farm?	Yes
New Antenna	Class	Full Power
Manufacturer and Type	Mounting	Side Mount
	Antenna position in stack	Not in Stack
	Polarization	Horizontal
	Туре	Broadband Slot
	Number of Stations Supported	3
	Number of Panels/Bays	24
	Lower Limit	470.00 MHz
	Upper Limit	698.00 MHz
	Design power capacity in use	100.0 %
	Other Antenna Type	N/A
	ERP: (Effective Radiated Power)	330.0 kW
	Manufacturer	
	Model	TFU-24WB
	Year	2019

lustification for New Antonna	For
Justification for New Antenna	For
	continuity
	of
	broadcast
	while
	changing
	main
	antenna on
	a shared
	complex
	tower.

#### Interim Antenna

#### **Other Antenna Costs**

Section	Question	Response
Combiner for Shared Antenna	Do you need a Combiner for a Shared Antenna?	Yes
	Туре	New
	Number of channels supported	3
	Frequencies of channels supported	RF channel
	Frequency	N/A
	Do you need a combiner output splitter /switcher for dual feed lines?	No
Elbow Complex	Do you require the separate purchase of the Elbow Complex?	Yes
	Broadband or Single Channel?	В
	Feed Line Size	6 1/8 inches
Side Mount Brackets	Do you require the separate purchase of side mount brackets for an antenna?	Yes
Pattern Scatter Analysis	Do you require separate purchase of pattern scatter analysis for a side mount high or medium power antenna?	No
Sweep Test	Do you require the sweep testing of transmission line and antenna?	Yes

Enter a list of RF channel numbers.

RF Channel Number	
24	
35	

#### Interim Antenna

#### **Other Antenna Cost Not Listed**

Information not provided.

Transmission	Section	Question	Response
Line	Transmission Line Related Expenses	Do you have transmission line related expenses?	Yes

#### **Existing Transmission Line**

# Primary Transmission<sub>S</sub> Line

<sup>1</sup> Section	Question	Response
Existing Transmission Line Description	Type of change	Purchase New
	Use	Primary (Main)
	Description of Use	N/A
	Ownership	Owned
	Owner	N/A
	Site	N/A
	Is the existing transmission line shared with another station or stations?	No
	Is Transmission Line in operating condition?	Yes
Existing Transmission	Manufacturer	
Line Manufacturer and Type	Туре	Rigid
	Diameter	6 1/8 inches
	Other Diameter	N/A
	Segment Length	Other
	Other Segment Length	10 feet
	Number of parallel runs	1
	Length	400 feet per run

#### **New Transmission Line**

**Primary** Transmission<sub>Section</sub> Question Response Line Use **New Transmission Line** Primary Costs (Main) N/A Description of Use Change Type Purchase New Is this a request for upgraded equipment? No Type Rigid Diameter 6 1/8 inches Other Diameter N/A Segment Length Other Other Segment Length 10 feet Number of parallel runs 1 400 feet Length

Justification for New Transmission Line

per run

Maintain continuity of operation through cutover period and avoid need for tower riggers during the cutover night.

Other Transmission Line Expenses Not Listed

Primary
Transmission not provided.

Line

#### **New Transmission Line**

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<b>Transmission</b>	าร
Line	Ĭ

On <sub>Section</sub>	Question	Response
New Transmission Line	Use	Interim
Costs	Description of Use	N/A
	Change Type	Lease New
	Туре	Rigid
	Diameter	6 1/8 inches
	Segment Length	Broadband
	Other Segment Length	
	Number of parallel runs	1
	Length	450 feet per run
	Justification for New Transmission Line	To maintain broadcast continuity during transition on a complex shared tower.

#### Other Transmission Line Expenses Not Listed

Interim	Other Transmission Line Expenses Not Listed	
Transmissio Line	n <sub>Name</sub>	Description
	Nitrogen Generator	Nitrogen Generator

# Tower Equipment And Rigging Costs

Section	Question	Response
Tower Equipment or Rigging Costs Changes	Do you have tower equipment or rigging costs changes?	Yes

#### Primary Tower

#### **Existing Tower**

Section	Question	Response
Existing Tower Description	Type of change	Modify Existing
	Tower Use	Primary (Main)
	Description of Use	N/A
	Ownership	Leased
	Is this tower consider Complex?	Located on Building
	Is this tower currently shared with any other stations?	Yes
	One or more FM, AM or TV radio broadcaster(s)	Yes
	Others Types of Users	Yes
	Is tower documented for structural analysis?	Yes
	Is tower compliant with Rev G?	Yes
Existing Tower Structure	Do you have a tower registration number?	Yes
Registration	ASR Number	1009013
Coordinates (NAD83 ( North American Datum of 1983))	Latitude (NAD83)	41° 53' 56.1" N-
	Longitude (NAD83)	087° 37' 23.2" W-
	Overall Structure Height	1395.00 feet
	Support Structure Height	1395.00 feet

Ground Elevation Above Mean Sea Level (AMSL)	592.84 feet
Structure Type	BTWR - Building with Tower
Tower Owner	American Towers, LLC.
Date Constructed	01/01/1968

#### FM, AM or TV radio broadcasters. Facility ID's, Call Signs and Services of other broadcast stations with whom the tower is shared

Facility ID	Call Sign	Service
73233	WCKL-FM	FM
16853	WXRT	FM
28620	WUSN	FM
49552	WDRV	FM
53971	WEBG	FM
35092	WOCK-CD	DTV
47905	WMAQ-TV	DTV
19525	WKQX	FM
73226	WLS-TV	DTV
10059	WSHE-FM	FM
60539	WXFT-DT	DTV
12279	WYCC	DTV
6377	WTMX	FM
66649	WBEZ	FM
70042	WLIT-FM	FM
67073	WOJO	FM

72115	WGN-TV	DTV
6588	WVAZ	FM

#### Other Types of Users

Users	
WRME-LP	
WCHU-LD	
W2268AY	
W216CL	
W280EM	

#### Primary Tower

#### **Tower Modification Costs**

Section	Question	Response
Engineering Study	Please what type of engineering study is required, if any:	Study needed for documented tower
Tower Reinforcements	Please select whether tower reinforcements are needed:	Minor Reinforcements needed

#### Primary Tower

#### **Tower Rigging Costs**

Section	Question	Response
Tower Rigging Costs	Complex Tower	Located on Building
Helicopter Services Required	Are helicopter services required?	No

#### Primary Tower

#### Other Tower Expenses Not Listed

Name	Description
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Ground and Building Permit Drawing Package	For construction and maintenance needs
Tower Permit Drawing Package	For permitting needs
Construction project management	Tower Modification reinforcements and facilities

Outside Professional Services Costs

Section	Question	Response
Outside Project Management Services	Do you require outside project management services?	Yes
	Number of Hours	414
	Explanation	Univision stations are only staffed for daily station operations and minor equipment changes, major projects are contracted out externally. The large volume of work associated with repack schedule requires using external project management resources.
Outside RF consulting Engineering Services	Perform engineering study for new channel assignment and antenna development	Yes
	Prepare engineering section of Form FCC Construction Permit Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare engineering section of Form FCC License to Cover Application	Yes
	For Auxiliary Facility	No
	For Main Facility	Yes

	Prepare request for Special Temporary Authority	No
	Quantity	N/A
	Do you have Distributed Transmission System engineering services?	N/A
	Critical Facility	N/A
	Terrain-Shielded Facility	N/A
Attorney and Other Outside Consulting Services	Prepare and file Form FCC Construction Permit Application	Yes
Services	For Auxiliary Facility	No
	For Main Facility	Yes
	Prepare and file Form FCC License to Cover Application	Yes
	For Auxiliary Facility	Yes
	For Main Facility	Yes
	Prepare request for Special Temporary Authority	Yes
	Quantity	1
	NEPA Section 106 environmental review	No
	Environmental Assessment	No
	ASR Modification	No
	FAA Consultation (including preparation of FAA Form 7460)	No
	Negotiation of Lease and other Matter for Shared Locations	Yes
	Prepare or Review FCC Form 399 for Reimbursement	Yes
	Address transition timing and coordination issues w/ other stations and wireless providers	No
RF Field Engineering Services	Comprehensive coverage verification via field study	No

RF exposure measurements	No
Additional Field Engineering Service	No
Number of Days	N/A
Justification	N/A

#### Outside Professional Services Costs

#### Other Professional Services Expenses Not Listed

Name	Description
Transmission Line Design	Design assistance with transmission line in complex shared tower
RF System Test	RF testing of new broadband combiner
Site Coordination Meeting	Multiple construction meetings for all stake holders in complex shared tower site

# Other Expenses

Section Question Respon		Response
AM Pattern Disturbance	Is an Impact Study needed?	No
	Is Remediation needed?	No
Facility Expenses	Name	N/A
	Other Distributed Transmission System Expenses Not listed	N/A
	Name	N/A
	Is Notification of a Medical Facility required as a result of DTV broadcasting?	Yes
Permit and Filing Costs	Local Zoning	No
	Non-zoning permits	Yes
	BLM or NFS Coordination	No
	FCC Construction Permit Minor Change	No
	FCC License to Cover Application	Yes
	FCC Special Temporary Authority Application	Yes
Other Miscellaneous Expenses	Does this relocation require paying Disposal Costs (for equipment and other waste, net of any salvage value)?	Yes
	Does this relocation require Equipment Delivery or Handling Charges not otherwise included in individual item costs?	Yes
	Does this relocation require Equipment Storage?	Yes
	Does this relocation require the Development and Airing of an Announcement regarding an upcoming channel change?	No
	Does this relocation require MVPD  Notification of a Channel Change?	No

# Other Expenses

#### Other Expenses Not Listed

Name	Description
Evaluation of temporary antenna	Evaluation of temporary antenna use under STA
Local Non-zoning BP	Building Permit Fee (Chicago)
Security for lift	JHC engineering/security personnel for smoke shaft equipment lift
Temporary Site License Fee	Temporary Site License Fee
FCC Filing Fee Construction Permit Aux	FCC Filing Fee - Construction Permit (Aux)

## **Cost Information**

#### **Transmitters**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

			Estimated		
Description	Predetermined Cost Estimate	Estimated Cost	Cost Justification	Actual Cost	Actual Cost Justification
Primary Transmitter NV8630	\$160,955.00	\$151,490.00		\$130,548.07	
Other Electrical Service: Relocation & install of rigid transmission line and spinner switch connections & testing in transmitter room.	\$23,155.00	\$23,155.00	Please see Estimated Cost Justification WGBO-DT- 110-1st Primary Transmitter - Other Electrical v0	\$21,615.00	N/A
UHF and VHF - minor banding issues	\$105,200.00	\$94,550.00	Please see WGBO-DT Myat quote 90004833	\$75,148.07	N/A
30 kW mask filter	\$32,600.00	\$33,785.00	Estimated Cost Justification WGBO-DT- 110-1st Primary Transmitter - Retune Existing Transmitter, 30 kW Mask Filter V0	\$33,785.00	N/A
Auxiliary Transmitter THU9-12	\$439,481.35	\$258,091.35		\$236,478.69	

Internal Transmission Line	\$159,444.15	\$159,444.15	see Estimated Cost Justification WGBO-DT- 150-1st Auxiliary Transmitter - Internal Transmission Line v2	\$157,327.74	Invoices submitted
10 Ton system	\$38,900.00	\$11,100.00	N/A	\$9,994.50	N/A
Other Electrical Service: 2" Rigid Conduit and Wiring	\$6,817.20	\$6,817.20	Please see WGBO-DT American Tower Customer Project Cost Estimation	\$6,817.20	N/A
3" Rigid Conduit and Wiring (Cost per foot)	\$5,200.00	\$4,410.00	N/A	\$3,307.50	N/A
Transformer 3 phase /480v - 300 KVA	\$36,800.00	\$10,500.00	N/A	\$7,875.00	N/A
Switchgear - industrial 800 amp	\$38,200.00	\$10,890.00	N/A	\$8,167.50	N/A
Service entrance 3 phase/800 amp/208 volt	\$14,400.00	\$4,110.00	N/A	\$3,082.50	N/A
30 kW mask filter	\$32,600.00	\$23,900.00	N/A	\$17,847.69	N/A
UHF and VHF - minor banding issues	\$105,200.00	\$25,000.00	N/A	\$20,139.06	N/A

Interior RF Components for the Transmitter	\$1,920.00	\$1,920.00	Please see WGBO-DT Alive Telecom proposal dated 10-3- 2019	\$1,920.00	N/A
Sub-total	\$600,436.35	\$409,581.35	N/A	\$367,026.76	N/A
Total for all systems	\$2,064,256.50	\$1,814,358.36	N/A	\$1,627,711.25	N/A

#### Components

Actual Information Description	File Name	
Other Electrical Service: Relocation & install of rigid transmission line and spinner switch connections & testing in transmitter room.	Component Description: Amount:	Additional transmitter room work \$12,480.00
	Component Description: Amount:	Electrical Work \$9,135.00
UHF and VHF - minor banding issues	Component Description:	Invoice moved to correct budget category per NMI message
	Amount:	N/A
	Component Description:	30kW FILTER SY 4 1-16in PORTS
	Amount:	\$75,148.07

30 kW mask filter		
	Component Description:	K. Lahm - Main mask filter installation planning
	Amount:	\$875.00
	Component Description:	REDUCER 6-50 X 3-50 W/CONN "QS
	Amount:	\$32,910.00
Internal Transmission Line		
	Component Description:	MACXLINE 4 1/16" 50 OHM CUSTOM SECTION 41-9/16"
	Amount:	\$14,688.54
	Component Description:	Install customer provided 4-1/8" rigid coax from WGBO 93rd floor transmitter room to 97th floor UHF combiner spline input module.
	Amount:	\$42,000.00
	Component Description:	ILLINOIS SALES TAX
	Amount:	\$800.47
	Component Description:	Final payment 25% of project cost
	Amount:	\$21,000.00
	Component Description:	MACXLINE 4 1/16" 50 OHM CUSTOM SECTION
	Amount:	\$697.09

**Component Description:** 4-1/16" SOFT

SOLDER FIELD

**FLANGE** 

**Amount:** \$2,459.75

Component Description: FINE MATCHER 4 1

/6

**Amount:** \$1,360.50

**Component Description:** 4-1/16" UHF FINE

**TUNER** 

**Amount:** \$2,032.82

**Component Description:** ELBOW 4-1/16" 50

OHM EQUAL 90 DEGR FLNG

**Amount:** \$8,948.31

Component Description: Invoice for 25%

draw on project at half way completion

point.

**Amount:** \$21,000.00

**Component Description:** 4-1/16" to 3-1/8"

FLANGED STEP

REDUCER

**Amount:** \$1,651.82

**Component Description:** 4-1/16" VARIABLE

FLANGED BOTH

**ENDS** 

**Amount:** \$23,499.24

Component Description: MACXLINE 4 1/16"

50 OHM CUSTOM

SECTION

**Amount:** \$2,496.26

**Component Description:** 

Amount:

FINE MATCHER

\$1,500.53

**Component Description:** Measure and layout

connections.

Perform nightime

installation of

interum connection

of WGBO 4" to West WB antenna.

Amount: \$1,560.00

**Component Description:** MACXLINE 4 1/16"

50 OHM CUSTOM

**SECTION** 

Amount: \$749.59

**Component Description:** ELBOW 4-1/16" 50

OHM EQUAL 90

**DEGR FLNG** 

Amount: \$10,882.82

10 Ton system		
	Component Description:	WGBO-DT-150-1st Auxiliary Transmitter - HVAC Services
	Amount:	\$1,669.50
	Component Description:	WGBO-DT-150-1st Auxiliary Transmitter - HVAC Services
	Amount:	\$2,775.00
	Component Description:	WGBO-DT-150-1st Auxiliary Transmitter - HVAC Services
	Amount:	\$5,550.00
Other Electrical Service: 2" Rigid Conduit and Wiring	Component Description:	CAPITAL
	Component Bossinption.	CONTRIBUTION - JOHN HANCOCK - WEST TOWER IL
	Amount:	\$6,817.20
3" Rigid Conduit and Wiring (Cost per foot)	On the second Deposit of the second	WODO DT 450 4-4
	Component Description:	WGBO-DT-150-1st Auxiliary Transmitter - Rigid Conduit and Wiring (3)
	Amount:	\$1,102.50
	Component Description:	WGBO-DT-150-1st Auxiliary Transmitter - Rigid Conduit and Wiring (3)
	Amount:	\$2,205.00

Transformer 3 phase/480v		
- 300 KVA	Component Description:	WGBO-DT-150-1st Auxiliary Transmitter - Transformer (480V) (300KVA)
	Amount:	\$2,625.00
	Component Description:	WGBO-DT-150-1st Auxiliary Transmitter - Transformer (480V) (300KVA)
	Amount:	\$5,250.00
Switchgear - industrial 800		
amp	Component Description:	WGBO-DT-150-1st Auxiliary Transmitter - Switchgear (industrial 800 amp)
	Amount:	\$5,445.00
	Component Description:	WGBO-DT-150-1st Auxiliary Transmitter - Switchgear
	Amount:	(industrial 800 amp \$2,722.50
Service entrance 3 phase /800 amp/208 volt	Component Description:	CAPITAL
	Amount:	CONTRIBUTION \$1,027.50
	Component Description:	CAPITAL CONTRIBUTION

30 kW mask filter		
	Component Description:	25KW AIR
		COOLED LOAD
	Amount:	\$17,847.69
UHF and VHF - minor		
banding issues	Component Description:	Connection kit liquid
		cooling
	Amount:	\$3,639.06
	Component Description:	Engineering
		Services
	Amount:	\$16,500.00
Interior RF Components		
Interior RF Components for the Transmitter	Component Description:	Tuner Attachment

# **Cost Information**

#### **Antennas**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description Interim	Predetermined Cost Estimate \$179,680.00	Estimated Cost \$117,235.69	Estimated Cost Justification	Actual Cost \$109,124.18	Actual Cost Justification
Antenna TFU-24WB					
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$6,600.00	N/A	\$4,950.00	N/A
Elbow complex, broadband, at antenna input, per 6 1/8. feedline (if needed)	\$13,700.00	\$4,530.00	see Estimated Cost Justification WGBO-DT- 280-Interim Antenna - Elbow Complex v0	\$3,905.00	N/A
New combiner, cost per channel (without antenna)	\$84,200.00	\$44,891.12	see Estimated Cost Justification WGBO-DT- 290-Interim Antenna - Combiner Systems v0	\$39,941.12	N/A

Sweep test of existing antenna	\$6,730.00	\$9,314.57	see Estimated Cost Justification WGBO-DT- 280-Interim Antenna - Sweep Test v0	\$9,314.56	N/A
UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 330 kW input, directional,, horizontally polarized	\$51,900.00	\$51,900.00	WGBO's share of 3 multi- channel antenna	\$51,013.50	N/A
Primary Antenna SAA25- ATW_C1- J300-ES6R- 35	\$251,194.25	\$250,571.25		\$237,104.42	
Pattern scatter analysis for side mount high/med power antennas (if not included in antenna base cost)	\$5,260.00	\$5,000.00	Per RFS quote 20077929	\$3,500.00	N/A
Elbow complex, single channel, at antenna input, per 6 1/8. feedline (if needed)	\$12,300.00	\$11,700.00	N/A	N/A	N/A

Sweep test of existing antenna	\$6,730.00	\$6,000.00	Per RFS quote 20077929	\$6,000.00	N/A
UHF - High Power, Side Mount, basic slot antenna, 550 kW input, directional,, elliptically or circularly polarized	\$203,754.25	\$203,754.25	see Estimated Cost Justification WGBO-DT- 210- Primary Antenna - UHF High Power Side Mount, Directional, E-POL v1	\$203,754.25	N/A
Side mount brackets for high power antennas (if not included in antenna base cost)	\$23,150.00	\$24,117.00	RFS quote plus 10.25% sales/use tax	\$23,850.17	N/A
Sub-total	\$430,874.25	\$367,806.94	N/A	\$346,228.60	N/A
Total for all systems	\$2,064,256.50	\$1,814,358.36	N/A	\$1,627,711.25	N/A

### Components

Actual Information	
Description	File Name

Side mount brackets for high power antennas (if not WGBO-DT-280-**Component Description:** included in antenna base Interim Antenna cost) Side Mount Brackets, High Power \$3,300.00 **Amount: Component Description:** WGBO-DT-280-Interim Antenna -Side Mount Brackets, High Power **Amount:** \$1,650.00 Elbow complex, broadband, at antenna input, per 6 1/8. **Component Description:** WGBO-DT-280feedline (if needed) Interim Antenna -**Elbow Complex** Amount: \$975.00 **Component Description:** WGBO-DT-280-Interim Antenna -**Elbow Complex** Amount: \$1,950.00 **Component Description:** WGBO-DT-280-Interim Antenna -**Elbow Complex** Amount: \$980.00

New combiner, cost per channel (without antenna)

Component Description: WGBO-DT-290-

Interim Antenna -

Combiner Systems

**Amount:** \$9,740.50

Component Description: WGBO-DT-290-

Interim Antenna -

Combiner Systems

**Amount:** \$9,750.00

Component Description: IL Sales Tax -

Invoice 626028

**Amount:** \$73.19

Component Description: WGBO-DT-290-

Interim Antenna -

Combiner Systems

**Amount:** \$19,500.00

Component Description: Other Flange

Field

**Amount:** \$877.43

Sweep test of	existing
antenna	

Component Description: WGBO transmitter

**Amount:** \$4,314.56

Component Description: WGBO-DT-280-

Interim Antenna -

Sweep Test

**Amount:** \$2,500.00

Component Description: WGBO-DT-280-

Interim Antenna -

Sweep Test

**Amount:** \$1,250.00

Component Description: WGBO-DT-280-

Interim Antenna -

Sweep Test

**Amount:** \$1,250.00

UHF - High Power, Side Mount, basic slot antenna, 24 bay,, 330 kW input, directional,, horizontally polarized

Component Description: WGBO-DT-280-

Interim Antenna -

UHF - High Power, Side Mount,

broadband, 24

bay

**Amount:** \$12,975.00

Component Description: WGBO-DT-280-

Interim Antenna -UHF - High Power, Side

Mount,

broadband, 24 bay

**Amount:** \$12,088.50

Component Description: WGBO-DT-280-

Interim Antenna -UHF - High

Power, Side Mount,

broadband, 24

bay

**Amount:** \$25,950.00

Pattern scatter analysis for side mount high/med power **Component Description:** WGBO-DT-210antennas (if not included in Primary Antenna antenna base cost) Pattern Scatter Analysis \$1,500.00 **Amount: Component Description:** WGBO-DT-210-Primary Antenna -Pattern Scatter Analysis \$1,500.00 **Amount: Component Description:** WGBO-DT-210-Primary Antenna -Pattern Scatter Analysis \$500.00 Amount: Elbow complex, single Information not provided. channel, at antenna input, per 6 1/8. feedline (if needed)

Sweep test of existing antenna	Component Description:	WGBO-DT-210-
	Component Description.	Primary Antenna - Sweep Test
	Amount:	\$1,800.00
	Component Description:	WGBO-DT-210-
		Primary Antenna - Sweep Test
	Amount:	\$1,800.00
	Component Description:	WGBO-DT-210-
	Amount:	Primary Antenna - Sweep Test \$1,800.00
	Amount.	ψ1,000.00
	Component Description:	WGBO-DT-210- Primary Antenna -
		i ililiary Amerika -

Amount:

Sweep Test \$600.00 UHF - High Power, Side Mount, basic slot antenna, 550 kW input, directional,, elliptically or circularly polarized

Component Description: SAA25-ATW\_C1-

J3--ES6R-35 bay, side mounted, elliptically

polarized RFStar

slotted array antenna

**Amount:** \$68,968.06

Component Description: SAA25-ATW\_C1-

J3--ES6R-35 bay, side mounted, elliptically

polarized RFStar slotted array antenna

**Amount:** \$56,107.50

Component Description: SAA25-ATW\_C1-

J3--ES6R-35 bay,

side mounted,

**Amount:** \$21,174.98

Component Description: SAA25-ATW\_C1-

J3--ES6R-35 bay,

side mounted

**Amount:** \$57,503.71

Side mount brackets for high power antennas (if not included in antenna base cost)

Component Description: WGBO-DT-210-

Primary Antenna -

Side Mount Brackets, High

Power

**Amount:** \$6,562.50

Component Description: WGBO-DT-210-

Primary Antenna -

Side Mount Brackets, High

Power

**Amount:** \$2,476.69

Component Description: WGBO-DT-210-

Primary Antenna -

Side Mount Brackets, High

Power

**Amount:** \$8,248.48

Component Description: WGBO-DT-210-

Primary Antenna -

Side Mount Brackets, High

Power

**Amount:** \$6,562.50

## **Cost** Information

#### **Transmission Line**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Justifi
Interim Transmission Line	\$108,699.90	\$66,318.94		\$66,318.94	
Rigid Transmission Line - copper, 6 1 /8" broadband	\$104,400.00	\$62,019.04	Please see Estimated Cost Justification WGBO- DT-310- InterimTransmission Line - 6 1_8_ Rigid Copper v0	\$62,019.04	N/
Nitrogen Generator	\$4,299.90	\$4,299.90	Please see WGBO- DT American Tower Customer Project Cost Estimation	\$4,299.90	N/
Primary Transmission Line	\$80,800.00	\$98,620.00		\$19,261.60	
Rigid Transmission Line - copper, 6 1/8"	\$80,800.00	\$98,620.00	Components per attached ERI quote, plus 10.25% sales /use tax and estimated freight	\$19,261.60	N/
Sub-total	\$189,499.90	\$164,938.94	N/A	\$85,580.54	N/
Total for all systems	\$2,064,256.50	\$1,814,358.36	N/A	\$1,627,711.25	N/

### Components

Actual Information			
Description	File Name		

Rigid Transmission Line - copper, 6 1/8" broadband		
oppor, o 1/o broadballd	Component Description:	WGBO-DT-310-
		InterimTransmission
		Line - 6 1/8" Rigid
	Amount:	Copper \$6,581.25
	Amount.	φ0,561.25
	Component Description:	WGBO-DT-310-
		Interim Transmission
		Line - 6 1/8"" Rigid
		Copper
	Amount:	\$38,650.05
	Component Description:	Temp transmission
		line
	Amount:	\$3,625.24
	Component Description:	WGBO-DT-310-
		InterimTransmission
		Line - 6 1/8" Rigid
		Copper
	Amount:	\$13,162.50
Nitrogen Generator		
	Component Description:	WGBO-DT-310-
		InterimTransmission
		Line - Nitrogen
		Generator
	Amount:	\$4,299.90

Rigid Transmission Line - copper, 6 1/8"

**Component Description:** 6-1/8" 75 OHM VAR.

60" - 1200" FLG/FLG

**Amount:** \$6,316.37

Component Description: MACXLINE 6 1/8" 50

**OHM CUSTOM** 

**SECTION** 

**Amount:** \$7,090.18

Component Description: 6-1/8" 75 OHM UHF

Fine Matcher 18"

**Amount:** \$3,980.05

Component Description: WGBO-DT-310-

Primary

Transmission Line - 6

1/8" Rigid Copper

**Amount:** \$1,875.00

Component Description: Invoice moved to

correct budget

category

Amount: N/A

## **Cost** Information

### **Tower Equipment and Rigging Costs**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Primary Tower BTWR	\$619,900.00	\$516,231.18		\$497,183.90	
Minor tower reinforcement /modifications	\$158,000.00	\$27,900.00	N/A	\$23,879.40	N/A
Structural engineering tower load study for well documented tower	\$12,600.00	\$26,180.00	Please see Estimated Cost Justification WGBO-DT- 410- Existing Primary Tower - Structural Engineering Load Study v0	\$15,847.50	N/A
Tower Permit Drawing Package	\$4,700.00	\$4,700.00	N/A	\$3,525.00	N/A
Ground and Building Permit Drawing Package	\$4,700.00	\$4,700.00	N/A	\$3,525.00	N/A
Construction project management	\$18,900.00	\$18,900.00	N/A	\$16,555.82	N/A

Complex	\$421,000.00	\$433,851.18	Please see	\$433,851.18	N/A
Tower			Estimated		
(includes, for			Cost		
example,			Justification		
those with			WGBO-DT-		
candelabras			410-		
and/or			Existing		
stacked			Primary		
antennas)			Tower -		
			Complex		
			Tower -		
			Tower		
			Rigging and		
			Equipment		
			v1		
Sub-total	\$619,900.00	\$516,231.18	N/A	\$497,183.90	N/A
Total for all systems	\$2,064,256.50	\$1,814,358.36	N/A	\$1,627,711.25	N/A

### Components

<b>Actual Information</b>	
Description	File Name

Minor tower reinforcement /modifications

Component Description: WGBO-DT-410-

Existing Primary
Tower - Complex
Tower - Minor

tower

reinforcement /modifications

**Amount:** \$13,950.00

Component Description: WGBO-DT-410-

Existing Primary
Tower - Complex
Tower - Minor

tower

reinforcement /modifications \$2,954,40

**Amount:** \$2,954.40

Component Description: WGBO-DT-410-

Existing Primary
Tower - Complex
Tower - Minor

tower

reinforcement /modifications

**Amount:** \$6,975.00

Structural engineering tower load study for well documented tower

Component Description: WGBO-DT-410-

Existing Primary

Tower - Structural

Engineering Load

Study

**Amount:** \$1,837.50

Component Description: WGBO-DT-410-

Existing Primary
Tower - Complex
Tower - Structural
engineering tower

load study

**Amount:** \$4,170.00

Component Description: WGBO-DT-410-

Existing Primary

Tower - Structural

Engineering Load

Study

**Amount:** \$1,500.00

Component Description: WGBO-DT-410-

Existing Primary
Tower - Complex
Tower - Structural
engineering tower

load study

**Amount:** \$8,340.00

Tower Permit Drawing		
Package	Component Description:	WGBO-DT-410-
		<b>Existing Primary</b>
		Tower - Complex
		Tower - Tower
		Permit Drawing
		Package
	Amount:	\$2,350.00
	Component Description:	WGBO-DT-410-
	Component Secondition.	Existing Primary
		Tower - Complex
		Tower - Tower
		Permit Drawing
		Package
	Amount:	\$1,175.00
Ground and Building Permit Drawing Package	Component Description:  Amount:	WGBO-DT-410- Existing Primary Tower - Complex Tower - Ground & Building A&E Permit Drawing Package \$1,175.00
	Component Description:	WGBO-DT-410-
		Existing Primary
		Tower - Complex Tower - Ground &
		Building A&E
		Permit Drawing Package

Construction project management

**Component Description:** WGBO-DT-410-

**Existing Primary** 

Tower - Complex

Tower -Construction

project

management

\$9,450.00 Amount:

**Component Description:** WGBO-DT-410-

> **Existing Primary** Tower - Complex

Tower -

Construction

project

management

**Amount:** \$2,380.82

**Component Description:** WGBO-DT-410-

> **Existing Primary** Tower - Complex

Tower -Construction project management

Amount: \$4,725.00

Complex Tower (includes, for example, those with candelabras and/or stacked antennas)

**Component Description:** Progress payment

on estimate

**Amount:** \$10,846.00

**Component Description:** Remaining

> balance on Univision PO#

63547

Amount: \$34,154.00 Component Description: Additional labor

costs for removal, modifications and re-installation of WGBO antenna

**Amount:** \$33,000.00

Component Description: Receive RF

system equipment

at Hancock

loading dock and install as required

in 93rd floor

transmitter room to effect sequence of changeover from CH38 to CH35.

**Amount:** \$123,000.00

Component Description: Field bracket

fabrication and fitting necessary to fit antenna custom

brackets

**Amount:** \$16,500.00

Component Description: Receive shipment

at Hancock

**Amount:** \$1,500.00

Component Description: Additional costs

based on new rigging and lifting requirements and increased labor costs to complete

antenna replacement

project.

**Amount:** \$10,846.00

Component Description: WGBO-DT-410-

Existing Primary
Tower - Complex
Tower - Tower
Rigging and
Equipment

**Amount:** \$11,250.00

Component Description: WGBO CH38

antenna.

**Amount:** \$72,346.00

Component Description: WGBO-DT-410-

Existing Primary
Tower - Complex
Tower - Tower
Rigging and
Equipment

**Amount:** \$76,217.18

Component Description: WGBO-DT-410-

Existing Primary
Tower - Complex
Tower - Tower
Rigging and
Equipment
\$22,500.00

**Amount:** 

**Component Description:** Additional costs based on new

rigging

**Amount:** \$21,692.00

## **Cost** Information

### **Outside Professional Services**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual C
Outside Professional Services	\$119,112.00	\$253,810.95		\$242,060.95	
Project management of the transition	\$65,412.00	\$193,551.88	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.  Univision stations are only staffed for daily station operations and minor equipment changes, major projects are contracted out externally.	\$193,551.88	N/A
Attorney Fees - Negotiation of lease and other matters for shared locations	\$4,210.00	\$3,877.20	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$3,877.20	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), License to Cover Application	\$2,365.00	\$2,250.00	N/A	\$0.00	N/A

Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	\$2,105.00	\$1,252.80	Please see WGBO-DT Attorney - License to Cover Application (Aux) Budget Revision Justification Letter	\$1,252.80	N/A
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	\$5,260.00	\$2,500.00	N/A	N/A	N/A
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	\$1,580.00	\$1,500.00	N/A	\$0.00	N/A
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	\$2,105.00	\$562.50	Please see Prepare engineering section of FCC Form 2100 Aux Construction Permit Application Revision Justification Cover Letter	\$562.50	N/A
Prepare engineering section of FCC Form 2100 (main), Construction Permit Application	\$3,155.00	\$3,000.00	N/A	\$2,750.00	N/A

Perform engineering study for new channel assignment and antenna development	\$7,360.00	\$17,937.97	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time.	\$17,937.97	N/A
Prepare and or review reimbursement form	\$2,630.00	\$2,500.00	N/A	N/A	N/A
Site Coordination Meeting	\$5,000.00	\$5,000.00	N/A	\$5,000.00	N/A
RF System Test	\$7,500.00	\$7,500.00	N/A	\$5,625.00	N/A
Transmission Line Design	\$6,750.00	\$6,750.00	Please see Estimated Cost Justification WGBO-DT- 590-Outside Professional Service - Transmission Line Design v0	\$5,875.00	N/A
Attorney Fees - Prepare and File request for Special Temporary Authorization	\$3,680.00	\$5,628.60	The estimated cost has been adjusted to include all invoices submitted for reimbursement at this time. Please see WGBO-DT Attorney-Special Temporary Authority Budget Revision Justification Letter	\$5,628.60	N/A

Sub-total	\$119,112.00	\$253,810.95	N/A	\$242,060.95	N/A
Total for all systems	\$2,064,256.50	\$1,814,358.36	N/A	\$1,627,711.25	N/A

#### Components

Components		
Actual Information Description	File Name	
Project management of the transition	Component Description:	Project Management
	Amount:	\$634.50
	Component Description:	Project Management Services
	Amount:	\$417.72
	Component Description:	Project management services
	Amount:	\$374.40
	Component Description:	Project management services
	Amount:	\$75.00
	Component Description: Amount:	Project Management \$2,970.00
	Component Description:	Project
	Amount:	Management \$4,704.55

management

services

**Amount:** \$260.65

Component Description: Project

Management

**Amount:** \$5,405.35

Component Description: Project

Management

**Amount:** \$2,356.85

Component Description: Project

management

Services

**Amount:** \$372.50

Component Description: Project

management

services

**Amount:** \$123.00

Component Description: Project

Management

**Amount:** \$2,070.75

**Component Description:** Project

management

Services

**Amount:** \$269.75

Component Description: Project

Management

Services

**Amount:** \$156.00

Management

**Amount:** \$339.00

**Component Description:** Project

Management

**Amount:** \$6,216.75

Component Description: Project

Management

Services

**Amount:** \$694.50

Component Description: Project

management

**Amount:** \$351.65

Component Description: Project

management

Services

**Amount:** \$405.00

Component Description: WGBO-DT-510-

Project

Management:

\$75.00

**Amount:** \$75.00

**Component Description:** Project

management

Services

**Amount:** \$627.50

Component Description: Project

Management

Services

**Amount:** \$236.25

management

Services

**Amount:** \$528.75

Component Description: Project

management

Services

**Amount:** \$401.05

Component Description: Project

Management

Services

**Amount:** \$240.00

Component Description: Project

Management

**Amount:** \$4,167.90

**Component Description:** Project

Management

Services

**Amount:** \$1,142.24

**Component Description:** Project

Management

Services, including:

supervision

**Amount:** \$410.64

**Component Description:** Project

management

services

**Amount:** \$163.50

management

Services \$413.75

Amount:

Component Description: Project

Management

**Amount:** \$5,671.20

**Component Description:** Project

management

Services

**Amount:** \$386.25

Component Description: Project

Management

**Amount:** \$516.00

Component Description: Project

management

**Amount:** \$6,386.80

**Component Description:** Project

management

**Amount:** \$438.75

Component Description: Project

Management

Services

**Amount:** \$102.00

**Component Description:** Project

Management

Services

**Amount:** \$241.50

**Component Description:** K. Lahm - Antenna

specification check

& project

Amount: \$187.50

**Component Description:** Project

management

Services

Amount: \$463.45

**Component Description: Project** 

Management

**Amount:** \$2,004.45

**Component Description: Project** 

Management

Amount: \$4,521.15

**Component Description:** Project

Management

**Amount:** \$1,829.40

**Component Description:** 

**Amount:** 

Project

management services

\$417.50

**Component Description:** Project

management

Services

Amount: \$675.00

**Component Description: Project** 

Management

Services

**Amount:** \$66.00

Management

Services

**Amount:** \$130.50

Component Description: Project

Management

Services

**Amount:** \$590.00

Component Description: Project

Management

Services

**Amount:** \$105.00

Component Description: Project

management

services

**Amount:** \$121.50

Component Description: Project

management

Services

**Amount:** \$338.00

Component Description: Project

Management

**Amount:** \$8,478.70

Component Description: Project

management

Services

**Amount:** \$234.65

Component Description: Project

management

**Amount:** \$503.75

Component Description: American Tower

project calls & consultations

**Amount:** \$150.00

Component Description: Project

Management

**Amount:** \$33.00

**Component Description:** Project

Management

**Amount:** \$2,703.35

Component Description: Project

management

Services

**Amount:** \$449.15

Component Description: WGBO-DT-510-

Project

Management

**Amount:** \$2,370.00

Component Description: Project

Management

**Amount:** \$663.00

**Component Description:** Project

management

Services,

**Amount:** \$316.55

**Component Description:** Project

Management

Services

**Amount:** \$384.00

Management

**Amount:** \$643.10

**Component Description:** Project

Management

**Amount:** \$712.72

Component Description: Review directional

coupler

**Amount:** \$75.00

Component Description: Project

management

Services

**Amount:** \$291.25

Component Description: Project

management

Services

**Amount:** \$434.85

**Component Description:** Project

Management

Services

**Amount:** \$781.50

Component Description: Project

Management

**Amount:** \$1,483.60

**Component Description:** Project

Management

**Amount:** \$5,317.20

Management

**Amount:** \$8,354.35

**Component Description:** Project

management

**Amount:** \$211.25

Component Description: Project

Management

Services

**Amount:** \$466.50

Component Description: Project

management

services

**Amount:** \$127.50

**Component Description:** Project

Management

Services

**Amount:** \$415.36

**Component Description:** Project

Management

Services

**Amount:** \$103.50

**Component Description:** Project

Management

**Amount:** \$5,308.10

**Component Description:** Project

management

services

**Amount:** \$1,560.00

Management

Services

**Amount:** \$470.82

Component Description: Project

Management

Services

**Amount:** \$737.50

Component Description: Project

management

Services

**Amount:** \$801.25

Component Description: Project

management

**Amount:** \$365.30

**Component Description:** Project

management

services

**Amount:** \$75.00

Component Description: Project

management

**Amount:** \$442.00

**Component Description:** Project

Management

**Amount:** \$4,505.30

**Component Description:** Project

management

**Amount:** \$552.50

Management \$8,137.95

Amount:

Cost Reconciliation

Amount:

\$2,853.95

Component Description: Project

Management

Services \$750.48

Amount:

**Component Description:** 

**Component Description:** 

Project

Management

Amount:

Amount:

Amount:

\$6,877.65

Component Description: K. Lahm - Project

management consultations 6 /13&21, 8/23, 10/9, 11/13, all 2018

\$187.50

Amount:

**Component Description:** 

Project

management

Services

\$463.75

**Component Description:** 

**Project** 

Management

Services

\$987.66

**Component Description:** 

Project Management

Services

**Amount:** \$217.50

management

services

**Amount:** \$610.50

**Component Description:** 

Project

Management

Amount:

\$571.12

Component Description: Invoice revisions

to meet FCC submittal

requirements

**Amount:** \$52.50

Component Description: Project

management

Services

**Amount:** \$462.50

Component Description: Project

management

Services

**Amount:** \$542.75

Project

Management

\$2,712.50

**Component Description:** Project

**Component Description:** 

Amount:

Management

Services

**Amount:** \$521.25

Component Description: WGBO-DT-510-

Project

Management

**Amount:** \$2,370.00

Management

Services

**Amount:** \$415.50

**Component Description:** Project

Management

Services

**Amount:** \$227.50

Component Description: Project

Management

Services

**Amount:** \$428.34

Component Description: Project

Management

**Amount:** \$8,038.05

**Component Description:** Project

Management

Services

**Amount:** \$206.25

Component Description: K. Lahm - RF

subsystem ordering & installation contracting 4/4, 10,12/2019

**Amount:** \$112.50

Component Description: Project

Management

Services

**Amount:** \$222.00

Component Description: Project management

**Amount:** \$986.25

**Component Description:** Project

management

Services

**Amount:** \$375.00

Component Description: Project

Management

**Amount:** \$4,378.40

Component Description: Project

Management

**Amount:** \$22.50

Component Description: Project

management

**Amount:** \$576.25

Component Description: Project

management

Services

**Amount:** \$478.75

**Component Description:** Project

Management

Services

**Amount:** \$905.06

Component Description: Project

management

Services

**Amount:** \$160.55

management

services

**Amount:** \$631.30

Component Description: Project

Management

**Amount:** \$7,335.90

**Component Description:** Project

management

Services

**Amount:** \$243.75

Component Description: Project

Management

**Amount:** \$1,237.30

Component Description: Project

management

Services

**Amount:** \$372.50

Component Description: Place of the Sun,

LLC

**Amount:** \$238.55

**Component Description:** Project

Management

**Amount:** \$150.00

Component Description: Project

Management

Services

**Amount:** \$1,653.00

management Services

**Amount:** \$866.25

Component Description: Project

Management

Services

**Amount:** \$438.10

Component Description: Project

management

Services

**Amount:** \$51.35

Component Description: Project

management

Services

**Amount:** \$201.25

Component Description: Project

management

Services

**Amount:** \$493.75

Component Description: Project

Management

**Amount:** \$3,525.90

**Component Description:** Project

Management

Services

**Amount:** \$538.08

**Component Description:** Project

management

**Amount:** \$336.25

Management

Services

**Amount:** \$180.00

Component Description: Project

management

Services

**Amount:** \$272.35

Component Description: Project

management

Services

**Amount:** \$438.75

Component Description: Project

management

**Amount:** \$512.50

**Component Description:** Project

management

Services

**Amount:** \$493.75

Component Description: Project

management

Services

**Amount:** \$317.50

Component Description: Project

management

services

**Amount:** \$49.50

**Component Description:** Project

Management

**Amount:** \$693.84

Management \$3,438.80

**Amount:** \$3,438.80

**Component Description:** Project

Management

Amount:

\$317.20

Component Description: Project

management

services

**Amount:** \$423.00

Component Description: Project

Management

**Amount:** \$2,765.75

Component Description: Project

Management

Services

**Amount:** \$411.45

Component Description: Project

Management

**Amount:** \$3,614.05

Component Description: WGBO-DT-510-

Project

Management

**Amount:** \$4,740.00

Component Description: Project

Management

Services

**Amount:** \$114.00

Component Description:

Project

Management

Services

Amount:

\$310.50

**Component Description:** 

Project

Management

Services

Amount:

\$687.70

Attorney Fees - Negotiation of lease and other matters for shared locations

**Component Description:** 

Amount:

Legal Services

\$2,114.55

**Component Description:** 

Amount:

Legal Services

\$319.05

**Component Description:** 

Amount:

Legal Services

\$142.20

**Component Description:** 

Amount:

Legal Services

\$162.00

**Component Description:** 

Amount:

Legal Services

\$102.60

**Component Description:** 

Amount:

Legal Services

\$195.75

**Component Description:** 

Amount:

Legal Services

\$734.40

**Component Description:** 

Amount:

Legal Services

\$106.65

Attender Face Drange and		
Attorney Fees -Prepare and File FCC Form 2100 (main), License to Cover Application	Information not provided.	
Attorney Fees - Aux Antenna, prepare and File Form 2100 Construction Permit or License Application	Component Description:  Amount:	WGBO-DT-550- Attorney - License to Cover Application (aux) \$1,252.80
Attorney Fees - Prepare and File FCC Form 2100 (main), Construction Permit Application	Information not provided.	
Prepare engineering section of FCC Form 2100 (main), License to Cover Application	Information not provided.	
RF Consulting Engineer Fees- Aux Antenna: Prepare engineering section of FCC Form 2100, Construction Permit Application	Component Description: Amount:	Permit App \$562.50

Prepare engineering section of FCC Form 2100 (main), Construction Permit Application

Component Description: Preparation of the

engineering portion of FCC Form 2100.

Amount:

\$1,750.00

Component Description: Invoice moved to

correct budget category

Amount: N/A

Component Description: K. Lahm - Height

reduction CP modification application

preparation - 12/26

/2018

**Amount:** \$1,000.00

Perform engineering study for new channel assignment and antenna development

Component Description: K. Lahm - Antenna

aperture reassignment analysis - 6/28,29

/2018

**Amount:** \$375.00

Component Description: K. Lahm -

Temporary RF subsystem

planning - 5/14&16

/2019

**Amount:** \$250.00

Component Description: WGBO-DT-590-

Outside Professional Service - Perform engineering study

**Amount:** \$625.00

Component Description: K. Lahm -

Residence to/from WGBO transmitter

**Amount:** \$4,845.36

Component Description: Transmission line

retuning & report, 9

/23-10/1/2020

**Amount:** \$2,780.11

Component Description: WGBO-DT-590-

Outside

Professional

Service - Perform

engineering study

**Amount:** \$62.50

Component Description: K. Lahm - TPO

update & temp/aux transmission line

plan

**Amount:** \$187.50

Component Description: WGBO-DT-590-

Outside

Professional

Service - Perform engineering study

\$125.00

**Amount:** 

Component Description: WGBO-DT-590-

Outside

Professional

Service - Perform engineering study

**Amount:** \$1,125.00

Component Description: WGBO-DT-590-

Outside Professional Service - Perform

engineering study

**Amount:** \$1,250.00

Component Description: Engineer Review

**Amount:** \$687.50

Component Description: K. Lahm - Antenna

height reduction

study

**Amount:** \$1,750.00

Component Description: WGBO-DT-590-

Outside Professional

Service - Perform engineering study

**Amount:** \$1,250.00

Component Description: WGBO-DT-590-

Outside

Professional Service - Perform

engineering study

**Amount:** \$2,500.00

Component Description: Auxiliary antenna

TPO updates -

**Amount:** \$125.00

Prepare and or review reimbursement form

Information not provided.

Site Coordination Meeting **Component Description:** WGBO-DT-590-Outside Professional Service - Site Coordination Meeting \$2,500.00 Amount: **Component Description:** WGBO-DT-590-Outside Professional Service - Site Coordination Meeting Amount: \$1,250.00 **Component Description:** WGBO-DT-590-Outside Professional Service - Site Coordination Meeting Amount: \$1,250.00 RF System Test **Component Description:** WGBO-DT-590-Outside Professional Service - RF System Test **Amount:** \$1,875.00 **Component Description:** WGBO-DT-590-Outside Professional Service - RF System Test Amount: \$3,750.00

Transmission Line Design **Component Description:** WGBO-DT-590-Outside Professional Service -Transmission Line Design Amount: \$2,250.00 **Component Description:** Main transmission line planning Amount: \$2,250.00 **Component Description:** K. Lahm - Main transmission line planning Amount: \$250.00

Component Description: WGBO-DT-590-

Outside Professional Service -

Transmission Line

Design

**Amount:** \$1,125.00

Attorney Fees - Prepare and File request for Special Temporary Authorization

Component Description: WGBO-DT-550-

Attorney - Special

Temporary Authorization

**Amount:** \$2,349.00

**Component Description:** 

Amount:

Legal Services

\$102.60

Component Description: WGBO-DT-550-

Attorney - Special

Temporary
Authorization

**Amount:** \$2,786.85

**Component Description:** 

Amount:

Legal Services

\$182.25

**Component Description:** 

Amount:

Legal Services

\$136.80

**Component Description:** 

Amount:

Legal Services

\$71.10

## **Cost Information**

### **Other Expenses**

Where no predetermined cost estimate is available, any estimate provided will also become the predetermined cost (displayed in italics).

Description	Predetermined Cost Estimate	Estimated Cost	Estimated Cost Justification	Actual Cost	Actual Cost Justification
Other Expenses	\$104,434.00	\$101,989.00		\$89,630.50	
Disposal Costs (for equipment and other waste, net of any salvage value)	\$600.00	\$600.00	N/A	\$450.00	N/A
Non-zoning permits	\$4,344.00	\$4,344.00	Justifying Invoice & Quote - WGBO-DT AMERICAN TOWER 460214351	\$3,258.00	N/A
FCC Filing Fees - Special Temporary Authorization request	\$195.00	\$1,310.00	Please see Estimated Cost Justification WGBO-DT- 610-Other Expenses - FCC Filing Fee - Special Temporary Authority V0	\$1,310.00	N/A
FCC Filing Fees - Form 2100 license to cover application	\$335.00	\$325.00	N/A	N/A	N/A
DTV Medical Facility Notification	\$11,550.00	\$8,000.00	N/A	\$5,250.00	N/A

FCC Filing Fee Construction Permit Aux	\$1,110.00	\$1,110.00	Please see WGBO-DT FCC Filing Fee- Construction Permit (Aux) Budget Revision Justification Letter	\$0.00	N/A
Temporary Site License Fee	<i>\$57,600.00</i>	\$57,600.00	Please see WGBO-DT Temporary Site License Fee Budget Justification Cover Letter	\$57,600.00	N/A
Security for lift	\$7,500.00	\$7,500.00	N/A	\$5,625.00	N/A
Local Non- zoning BP	\$750.00	\$750.00	N/A	\$562.50	N/A
Evaluation of temporary antenna	<i>\$950.00</i>	\$950.00	see Estimated Cost Justification WGBO-DT- 610-Other Expenses- Antenna Evaluation v0	\$950.00	N/A
Equipment Storage	\$1,500.00	\$1,500.00	N/A	\$1,125.00	N/A
Equipment Delivery and Handling Charges	\$18,000.00	\$18,000.00	N/A	\$13,500.00	N/A
Sub-total	\$104,434.00	\$101,989.00	N/A	\$89,630.50	N/A
Total for all systems	\$2,064,256.50	\$1,814,358.36	N/A	\$1,627,711.25	N/A

Actual Information Description	File Name	
Disposal Costs (for equipment and other waste, net of any salvage value)	Component Description:	WGBO-DT-610- Other Expenses - Equipment Disposal Costs
	Amount:	\$300.00
	Component Description:	WGBO-DT-610- Other Expenses - Equipment Disposal Costs
	Amount:	\$150.00
Non-zoning permits	Component Description:	WGBO-DT-610- Other Expenses - Non-zoning
	Amount:	Permit Expenses \$1,086.00
	Component Description:	WGBO-DT-610- Other Expenses - Non-zoning Permit Expenses
	Amount:	\$2,172.00
FCC Filing Fees - Special Temporary Authorization request	Component Description:	WGBO-DT-610- Other Expenses - FCC Filing Fee - Special Temporary Authority
	Amount:	\$200.00
	Component Description: Amount:	Minor Mod CP \$1,110.00

	I	
FCC Filing Fees - Form 2100 license to cover application	Information not provided.	
DTV Medical Facility Notification	Component Description: Amount:	Medical Notification \$5,250.00
FCC Filing Fee Construction Permit Aux	Component Description: Amount:	New Digital Auxiliary CP \$1,110.00
Temporary Site License Fee	Component Description: Amount:	MASTER ANTEN \$57,600.00
Security for lift	Component Description: Amount:	WGBO-DT-610- Other Expenses - Security for lift \$3,750.00
	Component Description: Amount:	WGBO-DT-610- Other Expenses - Security for lift \$1,875.00
Local Non-zoning BP	Component Description:	WGBO-DT-610- Other Expenses - Local Non-zoning BP
	Amount:  Component Description:	\$187.50  WGBO-DT-610- Other Expenses - Local Non-zoning
	Amount:	BP \$375.00

Evaluation of temporary		
antenna	Component Description:	WGBO-DT-610-
		Other Expenses -
		Antenna
		evaluation
	Amount:	\$375.00
	Component Description:	discussion of
		ATC aperture
		plans & schedule
		evaluation of
		temporary
		antenna use
		under STA
	Amount:	\$575.00
Equipment Storage		
	Component Description:	WGBO-DT-610-
		Other Expenses -
		Equipment
		Storage
		Expenses
	Amount:	\$750.00
	Component Description:	WGBO-DT-610-
	2000-	Other Expenses -
		Equipment
		Storage
		Expenses
	Amount:	\$375.00

Equipment Delivery and Handling Charges	Component Description:  Amount:	WGBO-DT-610- Other Expenses - Equipment Delivery and Handling Charges \$4,500.00
	Component Description:	WGBO-DT-610- Other Expenses - Equipment Delivery and

Amount:

Handling Charges

\$9,000.00

## **Cost Information**

### **Grand Total**

	Predetermined Cost Estimate	Estimated Cost	Actual Cost
Total for all systems	\$2,064,256.50	\$1,814,358.36	\$1,627,711.25

Reimburseme Status	entestion	Response
	The facility has ceased operating on its pre- auction channel.	No
	Construction of final facilities or all necessary modifications are complete.	No
	All receipts for reimbursement have been submitted no further costs are expected to be incurred. Note this will lock the Form 399	No

from further editing and begin close-out procedures with the Fund Administrator.

Section Question Response

## Submission of Estimated Expenses Statements

WILLFUL FALSE STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT.

- 1. The Authorized
  Person signing
  below certifies that he
  /she is authorized to
  submit this TV
  Broadcaster
  Relocation Fund
  Reimbursement
  Form on behalf of
  the above-named
  entity.
- 2. The above-named entity acknowledges that all certifications and attached documentation are considered material representations.
- 3. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.

- 4. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (broadcasters) or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 5. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 6. The above-named entity certifies that it will maintain and provide to the Commission detailed records, including receipts, of all costs eligible for reimbursement actually incurred.
- 7. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.

8. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a pre-requisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Jose Franchi , Franchi . *VP Finance* 

02/19/2021

Section Question Response

# Submission of Actual Cost Documentation Statements

WILLFUL FALSE, FRAUDULENT, OR FICTITIOUS STATEMENTS ON THIS FORM ARE PUNISHABLE BY FINE AND /OR IMPRISIONMENT (U.S. CODE, TITLE 18, SECTION 1001), AND/OR REVOCATION OF ANY STATION LICENSE OR CONSTRUCTION PERMIT (U.S. CODE, TITLE 47, SECTION 312(a) (1), AND/OR FORFEITURE (U.S. CODE, TITLE 47, SECTION 503), AND ANY FALSE AND/OR FRAUDULENT STATEMENTS COULD SUBJECT THIS ENTITY TO LIABILITY UNDER THE FALSE CLAIMS ACT (U.S. CODE, TITLE 31, SECTIONS 3729-3733).

- 1. The Authorized
  Person signing
  below certifies and
  represents that he
  /she is authorized to
  submit this TV
  Broadcaster
  Relocation Fund
  Reimbursement
  Form on behalf of
  the above-named
  entity.
- The above-named entity certifies that the statements in this form and attached documentation are true, complete, and correct.
- The above-named entity acknowledges that all certifications and attached documentation are considered material representations.

- 4. The above-named entity acknowledges the submission of the information herein creates no obligation on the part of the government to pay any amount.
- 5. The above-named entity certifies that the equipment and services paid for with money from the TV Broadcaster Relocation Fund are necessary to change channels (full power and Class A stations) and/or otherwise modify a television station's facility as a result of the spectrum repack (LPTV/TV Translator stations); or to minimize service disruption resulting from a repacked television station (FM stations); or to continue to carry the signal of a broadcaster that changes channels (MVPD).
- 6. The above-named entity certifies that all payments from the TV Broadcaster Relocation Fund (Fund) received by the entity listed on this form will be used only for expenses that are eligible for reimbursement from the Fund.
- 7. The above-named entity certifies that the cost information /documents submitted reflect costs actually incurred.

- 8. The above-named entity acknowledges that overpayments or payments in error must be promptly refunded to the Commission.
- 9. The above-named entity certifies that it is in full compliance with all statutes, rules, regulations and governmental requirements for which compliance is a prerequisite for obtaining the payments herein requested.

I declare, under penalty of perjury, that I am an authorized representative of the abovenamed applicant for the Authorization(s) specified above. Jose Franchi , Franchi . VP Finance

02/19/2021

#### **Attachments**